

CRF Errors Corrected by the STIC Systems Branch.

Serial Number: 09/445,788A

CRF Processing Date:

Edited by:

Verified by:

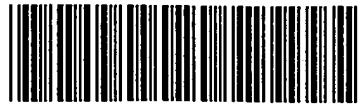
8/14/2003

(STIC staff)

ENTERED**RECEIVED** Changed a file from non-ASCII to ASCII Changed the margins in cases where the sequence text was wrapped down to the next line. Edited a format error in the Current Application Data section, specifically:

MAY 22 2003

 Edited the Current Application Data section with the actual current number. The number included in the applicant was the prior application data; or other _____ TECH CENTER 1600/2900 Added the mandatory heading and subheadings for "Current Application Data". Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer. Changed the spelling of a mandatory field (the headings or subheadings), specifically: Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place. Inserted colons after headings/subheadings. Headings edited included: Deleted extra, invalid, headings used by an applicant, specifically: Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at end of file; page numbers throughout text; other invalid text, such as _____ Inserted mandatory headings, specifically: Corrected an obvious error in the response, specifically: Edited identifiers where upper case is used but lower case is required, or vice versa. Corrected an error in the Number of Sequences field, specifically: A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted. Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____ Other: _____



1600

RAW SEQUENCE LISTING DATE: 05/14/2003
PATENT APPLICATION: US/09/445,788A TIME: 12:00:15

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\05142003\I445788A.raw

3 <110> APPLICANT: Cantab Pharmaceuticals Research Limited
4 Baldwin, Thomas J
5 Borriello, Peter S
6 Palmer, Helen M
8 <120> TITLE OF INVENTION: Live Attenuated Vaccines
10 <130> FILE REFERENCE: 5673-53922
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/445,788A
C--> 12 <141> CURRENT FILING DATE: 2000-01-06
12 <160> NUMBER OF SEQ ID NOS: 18
14 <170> SOFTWARE: PatentIn version 3.1
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 31
18 <212> TYPE: DNA
19 <213> ORGANISM: Artificial sequence
21 <220> FEATURE:
22 <223> OTHER INFORMATION: primer
24 <400> SEQUENCE: 1
25 ggaattcgay wscgaygayr tbcgbcayat g 31
28 <210> SEQ ID NO: 2
29 <211> LENGTH: 31
30 <212> TYPE: DNA
31 <213> ORGANISM: Artificial sequence
33 <220> FEATURE:
34 <223> OTHER INFORMATION: primer
36 <400> SEQUENCE: 2
37 ggaattcrtc vggratrtgr ttcatrtcca t 31
40 <210> SEQ ID NO: 3
41 <211> LENGTH: 27
42 <212> TYPE: DNA
43 <213> ORGANISM: Artificial sequence
45 <220> FEATURE:
46 <223> OTHER INFORMATION: primer
48 <400> SEQUENCE: 3
49 gcagatgccc gaagctttt atagcgg 27
52 <210> SEQ ID NO: 4
53 <211> LENGTH: 36
54 <212> TYPE: DNA
55 <213> ORGANISM: Artificial sequence
57 <220> FEATURE:
58 <223> OTHER INFORMATION: primer
60 <400> SEQUENCE: 4
61 gagctcggtt ccgtgcagcg tgcgtccatc tgcaag
64 <210> SEQ ID NO: 5 36

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/445,788A

DATE: 05/14/2003
TIME: 12:00:15

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\05142003\I445788A.raw

65 <211> LENGTH: 24
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67 <213> ORGANISM: Artificial sequence
69 <220> FEATURE:
70 <223> OTHER INFORMATION: primer
72 <400> SEQUENCE: 5
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76 <210> SEQ ID NO: 6
77 <211> LENGTH: 37
78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: primer
84 <400> SEQUENCE: 6
85 ggtaccgagc tccaaatgaa ggcagatctc gtcgccc 37
88 <210> SEQ ID NO: 7
89 <211> LENGTH: 27
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: primer
96 <400> SEQUENCE: 7
97 acaatgaaag tagaattcgt cggctgg 27
100 <210> SEQ ID NO: 8
101 <211> LENGTH: 27
102 <212> TYPE: DNA
103 <213> ORGANISM: Artificial sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: primer
108 <400> SEQUENCE: 8
109 gaabgcsgwg atgaattcgc cgcccat 27
112 <210> SEQ ID NO: 9
113 <211> LENGTH: 19
114 <212> TYPE: DNA
115 <213> ORGANISM: Artificial sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: primer
120 <400> SEQUENCE: 9
121 ccctgctcac gtcgaccag 19
124 <210> SEQ ID NO: 10
125 <211> LENGTH: 19
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: primer
132 <400> SEQUENCE: 10
133 acgcggtcga cgctgcacg 19
136 <210> SEQ ID NO: 11
137 <211> LENGTH: 24

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/445,788A
 DATE: 05/14/2003
 TIME: 12:00:15
 Input Set : A:\PTO.AMC.txt
 Output Set: N:\CRF4\05142003\I445788A.raw

138 <212> TYPE: DNA
 139 <213> ORGANISM: Artificial sequence
 141 <220> FEATURE:
 142 <223> OTHER INFORMATION: primer
 144 <400> SEQUENCE: 11
 145 aatacgcaat tggatcctgc ttgc 24
 148 <210> SEQ ID NO: 12
 149 <211> LENGTH: 25
 150 <212> TYPE: DNA
 151 <213> ORGANISM: Artificial sequence
 153 <220> FEATURE:
 154 <223> OTHER INFORMATION: primer
 156 <400> SEQUENCE: 12
 157 gatattgaat catatggaaa aattc 25
 160 <210> SEQ ID NO: 13
 161 <211> LENGTH: 27
 162 <212> TYPE: DNA
 163 <213> ORGANISM: Artificial sequence
 165 <220> FEATURE:
 166 <223> OTHER INFORMATION: primer
 168 <400> SEQUENCE: 13
 169 gtgattttgg ataagctttg caattcc 27
 172 <210> SEQ ID NO: 14
 173 <211> LENGTH: 24
 174 <212> TYPE: DNA
 175 <213> ORGANISM: Artificial sequence
 177 <220> FEATURE:
 178 <223> OTHER INFORMATION: primer
 180 <400> SEQUENCE: 14
 181 ccagcgccat gaagcttcca tcat 24
 184 <210> SEQ ID NO: 15
 185 <211> LENGTH: 24
 186 <212> TYPE: DNA
 187 <213> ORGANISM: Artificial sequence
 189 <220> FEATURE:
 190 <223> OTHER INFORMATION: primer
 192 <400> SEQUENCE: 15
 193 gacaggatcc aatggtgcaa aacc 24
 196 <210> SEQ ID NO: 16
 197 <211> LENGTH: 24
 198 <212> TYPE: DNA
 199 <213> ORGANISM: Artificial sequence
 201 <220> FEATURE:
 202 <223> OTHER INFORMATION: primer
 204 <400> SEQUENCE: 16
 205 aatcatggtc atatgtgttt cctg 24
 208 <210> SEQ ID NO: 17
 209 <211> LENGTH: 23
 210 <212> TYPE: DNA

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/445,788A

DATE: 05/14/2003

TIME: 12:00:15

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\05142003\I445788A.raw

211 <213> ORGANISM: Artificial sequence

213 <220> FEATURE:

214 <223> OTHER INFORMATION: primer

216 <400> SEQUENCE: 17

217 cggaattcgg tctgaagcgg atg

23

220 <210> SEQ ID NO: 18

221 <211> LENGTH: 24

222 <212> TYPE: DNA

223 <213> ORGANISM: Artificial sequence

225 <220> FEATURE:

226 <223> OTHER INFORMATION: primer

228 <400> SEQUENCE: 18

229 cgcagcagga attcccggtt atcg

24

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/445,788A

DATE: 05/14/2003

TIME: 12:00:16

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\05142003\I445788A.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date



1600

RAW SEQUENCE LISTING DATE: 05/14/2003
PATENT APPLICATION: US/09/445,788A TIME: 08:08:57

Input Set : A:\5673-53922.ST25.txt
Output Set: N:\CRF4\05142003\I445788A.raw

3 <110> APPLICANT: Cantab Pharmaceuticals Research Limited
4 Baldwin, Thomas J
5 Borriello, Peter S
6 Palmer, Helen M
8 <120> TITLE OF INVENTION: Live Attenuated Vaccines
10 <130> FILE REFERENCE: 5673-53922
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/445,788A
C--> 12 <141> CURRENT FILING DATE: 2000-01-06
12 <160> NUMBER OF SEQ ID NOS: 18
14 <170> SOFTWARE: PatentIn version 3.1

ERRORED SEQUENCES

Does Not Comply
Corrected Diskette Needed

220 <210> SEQ ID NO: 18
221 <211> LENGTH: 24
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: primer
228 <400> SEQUENCE: 18
229 qgcagcagga attccccgttt atcgg

24

E--> 235 (1)

delete

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/445,788A

DATE: 05/14/2003

TIME: 08:08:58

Input Set : A:\5673-53922.ST25.txt

Output Set: N:\CRF4\05142003\I445788A.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:235 M:254 E: No. of Bases conflict, this line has no nucleotides.